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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas J. CAMPANA, Jr. et al  
Serial No.: (To Be Assigned)  
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Filed: May 18, 1995  
For: ELECTRONIC MAIL SYSTEM WITH RF  
COMMUNICATIONS TO MOBILE PROCESSORS  
Group: 2608  
Examiner: G. Oehling

# 4/for Amndt B  
R. Morgan  
10/11/95

**PRELIMINARY AMENDMENT AND  
INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner of  
Patents and Trademarks  
Washington, D. C. 20231

May 18, 1995

Sir:

Prior to examination of the above-identified application,  
please amend the specification as follows:

**IN THE SPECIFICATION:**

Page i (before Page 1), the Appendix, line 12, change  
"10-14" to --10-12--.

In the actual Appendix pages, delete the original 15  
pages of the Appendix as filed on May 20, 1991 and insert a  
substitute Appendix which is attached hereto.

Page ii, line 6, delete the blank line "\_\_\_\_\_" and  
insert therefor --07/702,319--;

line 8, after "System" delete "(Attorney  
Docket)"

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Page ii, line 9, delete "No. 780.29766X00)";

line 11, delete the blank line "\_\_\_\_\_" and  
insert therefor --07/702,938--;

line 11, delete "Attorney" and insert therefor a  
period ---.---; and

line 12, delete in its entirety.

Page 2, line 28, change "switch" to --switches--.

Page 5, line 31, after "finding" insert --a-- and change  
"jacks" to --jack--; and

line 35, delete "and".

Page 6, line 15, delete "is" and insert --to be--.

Page 7, line 26, delete "the Assignee's".

Page 10, line 16, change "transmitter to  
--transmitters--.

Page 16, line 3, after "and" insert --be--.

Page 18, line 18, after "network" insert a period ---.---;  
and

line 19, delete "invention."

Page 22, line 16, change "transmission" to  
--transmissions--.

Page 25, line 14, change "transmission" to  
--transmissions--.

Page 27, at both lines 3 and 13, change "transmission" to  
--transmission--.

Page 34, line 9, delete "While the utilization of area";  
line 10, delete the line in its entirety;  
line 11, delete "of the present invention, it"  
and insert therefor --It--; and  
line 13, delete "with the present invention".

Page 35, line 16, change "19" to --119--.

Page 36, lines 8 and 21, change "relays" to  
--transfers--.

Page 37, line 19, after "to" insert --a--; and  
line 22, change "relay" to --transfer--.

Page 38, line 12, change "an" to --a--; and  
line 13, change "relay it" to --transfer the  
information--.

Page 39, line 17, change "relays" to --transfers--;  
line 26, change "relaying" to --transfer--; and  
lines 30-35, delete in their entirety.

Pages 40-43, delete in their entirety.

Page 44, lines 1-16, delete in their entirety; and insert  
therefor the following:

--A system for transmitting information from one of a plurality of originating processors contained in an electronic mail system to at least one of a plurality of destination processors contained in an electronic mail system with the information including originated information originating from one of the plurality of originating processors and being transmitted by a RF information transmission network to at least one of the plurality of destination processors and other originated information originating from one of the originating processors and being transmitted through a wireline without using the RF information transmission network to at least one of the destination processors in accordance with the invention includes at least one interface switch, one of the at least one interface switch connecting the electronic mail system containing the plurality of destination processors to the RF information transmission network for transmission to the at least one destination processor. The one interface switch transmits the originated information from the electronic mail system containing the one originating processor to the RF

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information transmission network. The originated information is transmitted from the one of the at least one interface switch to the RF information transmission network with an address of the at least one of the plurality of destination processors to receive the originated information, the address being added at the originating processor originating the originated information, or by either the electronic mail system that contains the plurality of originating processors or the one interface switch. The electronic mail system containing the plurality of destination processors is the same electronic mail system containing the plurality of originating processors or is a different electronic mail system than the electronic mail system containing the plurality of originating processors.

The RF information network comprises at least one RF receiver, each RF receiver transferring the originated information to a different one of the plurality of destination processors. The address of each destination processor receiving the originated information is an identification number of a different RF receiver in the RF information transmission network; and the one interface switch stores the originated information, assembles the originated information with originated information received from a plurality of the originating processors into a packet and transmits the packet to the RF information transmission network. The RF information network further comprises a RF information transmission network switch, the RF information transmission

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cont

network switch receiving the packet from the one interface switch, disassembles the packet into disassembled information including the originated information and the identification number of the at least one RF receiver in the RF information network; and wherein the RF information transmission network transmits the originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any added destination transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.

The wireline transmitting the other originated information between the one of the plurality of originating processors and the at least one of the plurality of destination processors is one of either a public or private switch telephone network with the at least one destination processor being addressed during transmission of the other originated information to the at least one destination

processor when using the public or private switch telephone network with a different address than the address used during transmission of the originated information to the at least one of the plurality of destination processors by the RF information transmission network.

The transfer of the originated information to the at least one of the plurality of destination processors occurs under control of a program stored by the at least one of the plurality of destination processors of the electronic mail system and makes the originated information accessible to application programs stored within the at least one of the plurality of destination processors of the electronic mail system.

The system in accordance with the invention further comprises a host processor, a telephone network and a gateway switch and the transmission of the originated information between the one of the plurality of originating processors and the interface switch is through the host computer, the telephone network and the gateway switch; the system in accordance with the invention further comprises a private automatic branch exchange, a telephone network, and a gateway switch; and the transmission of the originated information between the one of the plurality of originating processors and the interface switch is through the private automatic branch exchange, the telephone network and the gateway switch; the system in accordance with the invention further comprises a local area network, a telephone network and a gateway switch;

and the transmission of originated information between the one of the plurality of originating processors and the interface switch through the local area network, the telephone network and the gateway switch; and the system in accordance with the invention further comprises a modem, a telephone network and a gateway switch; and the transmission of the originated information between the one of the plurality of originating processors and the interface switch is through the modem, the telephone network and the gateway switch.

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cont  
The electronic mail system containing the plurality of originating processors comprises a private automatic branch exchange, a local area network, at least one gateway switch, a host central processing unit or a telephone network which may be a public switch telephone network.

The one interface switch removes from the originated information information added by the electronic mail system containing the plurality of originating processors and adds information used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

The at least one RF receiver signals the at least one destination processor on a transmission medium of the at least one destination processor used for transmission of information by the at least one destination processor that received originated information is stored within a memory of the at



least one receiver; the at least one destination processor controls the transfer of the stored originated information from the memory of the at least one receiver to a memory of the at least one destination processor on the transmission medium with a control program stored by the at least one destination processor; and the at least one destination processor processes the originated information stored in the memory of the at least one destination processor with an application program stored in the memory of the at least one destination processor.

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cont

The originated information is transferred from the at least one receiver to the at least one destination processor on the transmission medium upon connection of the at least one RF receiver to the at least one destination processor. The at least one destination processor is turned off when the originated information is received by the at least one RF receiver. The transmission medium is a serial transmission medium.

A system in accordance with the invention further includes at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information

transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.--

**Page 46**, line 24, change "104" to --314--; and  
line 28, after "from" insert --one of-- and on  
the same line, change "processor" to --processors--.

**Page 48**, line 4, change "the RF transmissions of" to  
--RF transmission by--; and  
line 21, change "processor" to --processors--.

**Page 49**, line 12, change "Fig. 8, but optionally," to  
--Fig. 8. Optionally,--;  
line 15, delete "as";  
line 16, delete "illustrated in Fig. 12"; and  
line 28, change "functions" to --function--.

**Page 50**, line 13, change "relays" to --transfers--.

Page 51, line 23, change "relaying" to --transferring--.

Page 52, line 3, change "relaying" to --transfer--

Page 53, line 22, change "is" to --may be--.

Page 54, line 6, change "relaying" to --transferring--.

Page 55, line 34, delete "being".

Page 56, line 1, delete "being".

Page 57, line 21, change "relay" to --transfer--;  
line 30, change "10-14" to --10-12--.

**IN THE CLAIMS:**

Please cancel claim 1 without disclaimer or prejudice and  
insert therefor new claims 86-142 as follows:

SUBC 1

--86. A system for transmitting information from one of  
a plurality of originating processors contained in an  
electronic mail system to at least one of a plurality of  
destination processors contained in an electronic mail system  
with the information including originated information  
originating from one of the plurality of originating  
processors and being transmitted by an RF information  
transmission network to at least one of the plurality of

destination processors and other originated information originating from one of the originating processors and being transmitted through a wireline without using the RF information transmission network to at least one of the destination processors comprising:

at least one interface switch, one of the at least one interface switch connecting the electronic mail system containing the plurality of destination processors to the RF information transmission network; and wherein

the originated information is transmitted from the one of the at least one interface switch to the RF information transmission network with an address of the at least one of the plurality of destination processors to receive the originated information being added at the originating processor originating the originated information, or by either the electronic mail system that contains the plurality of originating processors or the one interface switch.

<sup>2</sup>  
87. A system in accordance with claim <sup>1</sup>~~86~~ wherein:

the electronic mail system containing the plurality of destination processors is the same electronic mail system containing the plurality of originating processors.

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<sup>3</sup>  
~~88~~. A system in accordance with claim ~~86~~<sup>1</sup> wherein:

the electronic mail system containing the plurality of destination processors is a different electronic mail system than the electronic mail system containing the plurality of originating processors.

<sup>4</sup>  
~~89~~. A system in accordance with claim ~~86~~<sup>1</sup> wherein the RF information network comprises:

at least one RF receiver, each RF receiver transferring the originated information to a different one of the plurality of destination processors.

<sup>5</sup>  
~~90~~. A system in accordance with claim ~~89~~<sup>4</sup> wherein:  
the address of each destination processor receiving the originated information is an identification number of a different RF receiver in the RF information transmission network; and

the one interface switch stores the originated information, assembles the originated information with originated information received from a plurality of the originating processors into a packet and transmits the packet to the RF information transmission network.

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<sup>6</sup>  
~~91.~~ A system in accordance with claim ~~86~~<sup>1</sup> wherein:

the wireline transmitting the other originated information between the one of the plurality of originating processors and the at least one of the plurality of destination processors is one of either a public or private switch telephone network with the at least one of the plurality of destination processors being addressed during transmission of the other originated information to the at least one of the plurality of destination processors when using the public or private switch telephone network with a different address than the address used during transmission of the originated information to the at least one of the plurality of destination processors by the RF information transmission network.

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<sup>7</sup>  
~~92.~~ A system in accordance with claim ~~90~~<sup>5</sup> wherein the RF information transmission network comprises:

a RF information transmission network switch, the RF information transmission network switch receiving the packet from the one interface switch disassembles the packet into disassembled information including the originated information and the identification number of the at least one RF receiver in the RF information network; and wherein

the RF information transmission network transmits the originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information

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cont

transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any added destination transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.

<sup>8</sup>  
~~93.~~ A system in accordance with claim <sup>4</sup>~~89~~ wherein:

the transfer of the originated information from each RF receiver to the different one of the plurality of destination processors occurs under control of a program stored by one of the plurality of destination processors of the electronic mail system and makes the originated information accessible to application programs stored within the one of the plurality of destination processors of the electronic mail system.

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94. A system in accordance with claim ~~86~~<sup>1</sup> further comprising:

a host computer, a telephone network and a gateway switch; and

the transmission of the originated information between the one of the plurality of originating processors and the interface switch is through the host computer, the telephone network and the gateway switch.

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95. A system in accordance with claim ~~86~~<sup>1</sup> further comprising:

a private automatic branch exchange, a telephone network and a gateway switch; and

the transmission of the originated information between the one of the plurality of originating processors and the interface switch is through the private automatic branch exchange, the telephone network and the gateway switch.

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96. A system in accordance with claim ~~86~~<sup>1</sup> further comprising:

a local area network, a telephone network and a gateway switch; and

the transmission of the originated information between the one of the plurality of originating processors and the interface switch is through the local area network, the telephone network and the gateway switch.



SUB 22

97. A method in accordance with claim 86 further comprising:

a modem, a telephone network and a gateway switch;  
and

the transmission of the originated information between the one of the plurality of originating processors and the interface switch is through the modem, the telephone network and the gateway switch.

<sup>13</sup>  
~~98~~. A system in accordance with claim ~~86~~<sup>1</sup> wherein:

the electronic mail system containing the plurality of originating processors comprises a private automatic branch exchange.

<sup>14</sup>  
~~99~~. A system in accordance with claim ~~86~~<sup>1</sup> wherein:

the electronic mail system containing the plurality of originating processors comprises a local area network.

<sup>15</sup>  
~~100~~. A system in accordance with claim ~~86~~<sup>1</sup> wherein:

the electronic mail system containing the plurality of originating processors comprises at least one gateway switch.

<sup>16</sup>  
~~101~~. A system in accordance with claim ~~100~~<sup>15</sup> wherein:

the electronic mail system containing the plurality of originating processors further comprises a telephone network.

<sup>17</sup>  
~~102~~. A system in accordance with claim <sup>16</sup>~~101~~ wherein:

the telephone network is a public switch telephone network.

<sup>18</sup>  
~~103~~. A system in accordance with claim <sup>1</sup>~~86~~ wherein:

the electronic mail system containing the plurality of originating processors comprises a host central processing unit.

<sup>19</sup>  
~~104~~. A system in accordance with claim <sup>1</sup>~~86~~ wherein:

the one interface switch removes from the originated information information added by the electronic mail system containing the plurality of originating processors and adds information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to at least one RF receiver in the RF information transmission network, to the originated information.

<sup>20</sup>  
~~105~~. A system in accordance with claim <sup>4</sup>~~89~~ wherein:

each RF receiver signals the one of the plurality of destination processors on a transmission medium of the one of the plurality of destination processors used for transmission of information by the one of the plurality of destination processors that received originated information is stored within a memory of each RF receiver;

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the one of the plurality of destination processors controls the transfer of the stored originated information from the memory of each receiver to a memory of the one of the plurality of destination processors on the transmission medium with a control program stored by the one of the plurality of destination processors; and

the one of the plurality of destination processors processes the originated information stored in the memory of the one of the plurality of destination processors with an application program stored in the memory of the one of the plurality of destination processors.

<sup>21</sup>  
~~106~~. A system in accordance with claim <sup>20</sup>~~105~~ wherein:

the originated information is transferred from each receiver to the one of the plurality of destination processors on the transmission medium upon connection of each receiver to the one of the plurality of destination processors.

<sup>22</sup>  
~~107~~. A system in accordance with claim <sup>21</sup>~~106~~ wherein:

the one of the plurality of destination processors is turned off when the originated information is received by each RF receiver.

<sup>23</sup>  
~~108~~. A system in accordance with claim <sup>20</sup>~~105~~ wherein:

the transmission medium is a serial transmission medium.

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cont

<sup>24</sup>  
~~109~~. A system in accordance with claim <sup>2</sup>~~87~~ wherein  
the RF information network comprises:

at least one RF receiver, each RF receiver  
transferring the originated information to a different one of  
the plurality of destination processors.

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IS* <sup>25</sup>  
~~110~~. A system in accordance with claim <sup>24</sup>~~109~~ wherein:  
the address of each destination processor receiving  
the originated information is an identification number of a  
different RF receiver in the RF information transmission  
network; and

*B<sub>2</sub>  
cont.* the one interface switch stores the originated  
information, assembles the originated information with  
originated information received from a plurality of the  
originating processors into a packet and transmits the packet  
to the RF information transmission network.

<sup>26</sup>  
~~111~~. A system in accordance with claim <sup>24</sup>~~109~~ wherein:  
the wireline transmitting the other originated  
information between the one of the plurality of originating  
processors and the at least one of the plurality of  
destination processors is one of either a public or private  
switch telephone network with the at least one of the  
plurality of destination processors being addressed during  
transmission of the other originated information to the at  
least one of the plurality of destination processors when  
using the public or private switch telephone network with a

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IS } different address than the address used during transmission of the originated information to the at least one of the plurality of destination processors by the RF information transmission network.

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117. A system in accordance with claim <sup>25</sup>110 wherein the RF information transmission network comprises:

a RF information transmission network switch, the RF information transmission network switch receiving the packet from the one interface switch disassembles the packet into disassembled information including the originated information and the identification number of the at least one RF receiver in the RF information network; and wherein

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cont the RF information transmission network transmits the originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any added destination transmits the originated information and identification number to any

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Fig 5

~~destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.~~

<sup>28</sup>  
~~113.~~ A system in accordance with claim <sup>24</sup>~~109~~ wherein:

the transfer of the originated information from each RF receiver to the different one of the plurality of destination processors occurs under control of a program stored by the one of the plurality of destination processors of the electronic mail system and makes the originated information accessible to application programs stored within the one of the plurality of destination processors of the electronic mail system.

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Fig 6

<sup>29</sup>  
~~114.~~ A system in accordance with claim <sup>2</sup>~~87~~ wherein:

the one interface switch removes from the originated information information added by the electronic mail system containing the plurality of originating processors and adds information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

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<sup>30</sup>  
~~115~~ A system in accordance with claim <sup>29</sup>~~114~~ wherein:

each RF receiver signals the one of the plurality of destination processors on a transmission medium of the one of the plurality of destination processors used for transmission of information by the one of the plurality of destination processors that received originated information is stored within a memory of each RF receiver;

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cont. the one of the plurality of destination processors controls the transfer of the stored originated information from the memory of each receiver to a memory of the one of the plurality of destination processors on the transmission medium with a control program stored by the one of the plurality of destination processors; and

the one of the plurality of destination processors processes the originated information stored in the memory of the one of the plurality of destination processors with an application program stored in the memory of the one of the plurality of destination processors.

<sup>31</sup>  
~~116~~ A system in accordance with claim <sup>29</sup>~~114~~ wherein:

the originated information is transferred from each receiver to the one of the plurality of destination processors on the transmission medium upon connection of each receiver to the one of the plurality of destination processors.

<sup>32</sup>  
~~117.~~ A system in accordance with claim <sup>31</sup>~~116~~ wherein:

the one of the plurality of destination processors is turned off when the originated information is received by each RF receiver.

<sup>33</sup>  
~~118.~~ A system in accordance with claim <sup>29</sup>~~114~~ wherein:

the transmission medium is a serial transmission medium.

<sup>34</sup>  
~~119.~~ A system in accordance with claim <sup>3</sup>~~88~~ wherein

the RF information network comprises:

at least one RF receiver, each RF receiver transferring the originated information to a different one of the plurality of destination processors.

<sup>35</sup>  
~~120.~~ A system in accordance with claim <sup>34</sup>~~119~~ wherein:

the address of each destination processor receiving the originated information is an identification number of a different RF receiver in the RF information transmission network; and

the one interface switch stores the originated information, assembles the originated information with originated information received from a plurality of the originating processors into a packet and transmits the packet to the RF information transmission network.



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<sup>36</sup>  
~~121.~~ A system in accordance with claim <sup>34</sup>~~119~~ wherein:

the wireline transmitting the other originated information between the one of the plurality of originating processors and the at least one of the plurality of destination processors is one of either a public or private switch telephone network with the at least one of the plurality of destination processors being addressed during transmission of the other originated information to the at least one of the plurality of destination processors when using the public or private switch telephone network with a different address than the address used during transmission of the originated information to the at least one of the plurality of destination processors by the RF information transmission network.

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cont.

<sup>37</sup>  
~~122.~~ A system in accordance with claim <sup>35</sup>~~120~~ wherein the RF information transmission network comprises:

a RF information transmission network switch, the RF information transmission network switch receiving the packet from the one interface switch disassembles the packet into disassembled information including the originated information and the identification number of the at least one RF receiver in the RF information network; and wherein

the RF information transmission network transmits the originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information

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transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any added destination transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.

<sup>38</sup>  
123. A system in accordance with claim <sup>34</sup>119 wherein:

the transfer of the originated information from each RF receiver to the different one of the plurality of destination processors occurs under control of a program stored by the one of the plurality of destination processors of the electronic mail system and makes the originated information accessible to application programs stored within the one of the plurality of destination processors of the electronic mail system.

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<sup>39</sup>  
~~124.~~ A system in accordance with claim <sup>34</sup>~~119~~ wherein:

the one interface switch removes from the originated information added by the electronic mail system containing the plurality of originating processors and adds information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

<sup>A0</sup>  
~~125.~~ A system in accordance with claim <sup>34</sup>~~119~~ wherein:

each RF receiver signals the one of the plurality of destination processors on a transmission medium of the one of the plurality of destination processors used for transmission of information by the one of the plurality of destination processors that received originated information is stored within a memory of each RF receiver;

the one of the plurality of destination processors controls the transfer of the stored originated information from the memory of each receiver to a memory of the one of the plurality of destination processors on the transmission medium with a control program stored by the one of the plurality of destination processors; and

the one of the plurality of destination processors processes the originated information stored in the memory of the one of the plurality of destination processors with an

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application program stored in the memory of the one of the plurality of destination processors.

<sup>41</sup>  
~~126~~. A system in accordance with claim <sup>40</sup>~~125~~ wherein:

the originated information is transferred from the receiver to the one of the plurality of destination processors on the transmission medium upon connection of the receiver to the one of the plurality of destination processors.

<sup>42</sup>  
~~127~~. A system in accordance with claim <sup>35</sup>~~120~~ wherein:

the one of the plurality of destination processors is turned off when the originated information is received by each RF receiver.

<sup>43</sup>  
~~128~~. A system in accordance with claim <sup>34</sup>~~119~~ wherein:  
the transmission medium is a serial transmission medium.

<sup>44</sup>  
~~129~~. A system in accordance with claim <sup>1</sup>~~86~~ further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of

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I9

destination processors to receive the other information transmitted by the RF information transmission network or an identification number of at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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cont

<sup>45</sup>  
~~130.~~ A system in accordance with claim <sup>2</sup>~~87~~ further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of at least one RF receiver receiving the other information for transmission to the at least one of

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the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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131.

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A system in accordance with claim 38 further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

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the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

<sup>47</sup>  
~~132~~. A system in accordance with claim <sup>4</sup>~~89~~ further comprising:

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cont.

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of

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the other information to the at least one destination processor.

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~~133.~~

A system in accordance with claim ~~90~~<sup>5</sup> further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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cont.



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A system in accordance with claim 91 further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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cont.

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~~135~~

A system in accordance with claim <sup>7</sup>~~92~~ further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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126.

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A system in accordance with claim 93 further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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cont.

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A system in accordance with claim 104 further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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<sup>20</sup>  
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A system in accordance with claim ~~105~~ further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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A system in accordance with claim ~~106~~ further comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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140. A system in accordance with claim 107 further

comprising:

at least one additional processor, each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

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A system in accordance with claim 108 further comprising:

at least one additional processor with each additional processor being coupled to at least one interface switch, one of the at least one additional processor originating other information from outside any electronic mail system for transmission to the at least one of the plurality of destination processors by the RF information transmission network and an address of the at least one of the plurality of destination processors to receive the other information transmitted by the RF information transmission network or an identification number of the at least one RF receiver receiving the other information for transmission to the at least one of the plurality of the destination processors and transferring the other information to the at least one of the plurality of the destination processors; and wherein

the interface switch receiving the other information originating from the one additional processor and the address or identification number adds RF network information used by the RF information transmission network during transmission of the other information to the at least one destination processor.

B<sub>2</sub>  
cont



142. A system for transmitting information from one of a plurality of originating processors contained in an electronic mail system to at least one of a plurality of destination processors contained in an electronic mail system with the information including originated information originating from one of the plurality of originating processors and being transmitted by an RF information transmission network to at least one of the plurality of destination processors and other originated information originating from one of the originating processors and being transmitted through a wireline without using the RF information transmission network to at least one of the destination processors comprising:

at least one interface switch, one of the at least one interface switch connecting the electronic mail system containing the plurality of destination processors to the RF information transmission network to transmit the originated information from the electronic mail system containing the one originating processor to the RF information transmission network for transmission to the at least one destination processor.--

#### REMARKS

The specification has been amended in a manner identical to that of parent patent application Serial No. 07/702,939. The specification has been amended further to delete the summary of the claimed subject matter appearing on page 39, lines 30-35 through page 44, lines 1-16. The insertion of a

summary of the claimed subject matter in the specification beginning on page 39, line 30, is commensurate in scope to the claims added by this preliminary amendment. The claims are supported by the specification as filed.

Newly submitted claims 86-142 define the invention in a different degree of scope than that allowed in application Serial Nos. 07/702,319, 08/247,466, 07/702,938 and 07/702,939. Application Serial No. 07/702,319 was expressly abandoned in the filing of a Rule 62 Continuation which is Application Serial No. 08/247,466. However, the claims are patentable for the same reasons as set forth in the prosecution history of the above-referenced applications in that none of the prior art of record teaches the combination of an electronic mail system interfaced with an RF information transmission network with the electronic mail system transmitting other originated information through a wireline and originated information which is transmitted to a destination processor through at least one interface switch.

A photocopy of each of the PTO 892 Forms used by the Examiner to make prior art of record in the various Office Actions of the parent of this application and a copy of the Information Disclosure Statement submitted with the parent application as filed is submitted for purposes of making the Examiner specifically aware of the prior art cited in all of the four above-referenced patent applications. However, it is requested that the Examiner specifically consider and make of record all of the prior art cited in each of the enclosed

PTO 892 forms. Copies of the references cited in the enclosed PTO 892 forms are contained in the parent of this application to which the Examiner is referred for their consideration pursuant to 37 C.F.R. §1.98(d). However, if these references are not available from the parent file the Applicants will make them available to the Examiner.

The claims define subject matter which is neither anticipated nor rendered obvious by Zabarsky et al (United States Patent 4,644,351) and the other prior art of record relied upon by the Examiner in the examination of the parent application for the reason that the combination of wireline and wireless communications is not taught as defined in the claims.

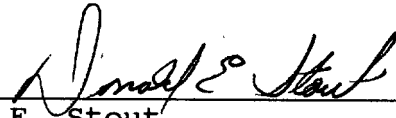
The Substitute Appendix contains new numbered pages which are consistent with the description of the page numbers of the Appendix on page i of the specification as amended. The copyright notices on pages 4 and 10 of the original Appendix have been deleted from pages 4 and 10 of the Substitute Appendix to be consistent with the copyright notice which precedes page 1 of the original and Substitute Appendix. The description of the Appendix on page i of the specification has been amended to refer to pages 10-12 as being the program for controlling the operation of the interface switch. Deleted pages 13 and 14 were not used as the code for controlling the interface switch.

Early allowance of claims 86-142 is respectfully requested.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, Deposit Account No. 01-2135 (780.29643CX1), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS



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DES:dlh